

Table 1. Insecticide (treated or untreated) and alfalfa entry treatment effects on plant harvest dry matter yield in 2004. Potato leafhopper (PLH) resistance trial seeded on 23 May 2002 at Rosemount, MN.

Entry	2004 dry matter yields ¹						Annual total dry matter yield							
	Cut 1 (15 June)		Cut 2 (19 July)		Cut 3 (24 Aug)		2004		2003		2002		3-year	
	trt	untrt	trt	untrt	trt	untrt	trt	untrt	trt	untrt	trt	untrt	trt	untrt
	ton dm/ acre													
Released cultivar														
54H91	2.7	2.7	1.8	1.8	1.3	1.1	5.8	5.6	5.6	5.0	3.1	2.8	14.5	13.4
DK 134	2.7	2.7	2.1	2.1	1.6	1.4	6.4	6.1	5.6	4.7	3.0	1.9	15.0	12.7
EverGreen	2.6	2.7	1.8	2.0	1.3	1.2	5.7	5.9	5.3	5.2	3.1	2.7	14.1	13.8
GreenLeaf	2.8	2.6	2.0	1.9	1.5	1.2	6.3	5.7	5.8	4.5	3.2	2.2	15.3	12.4
5454 (ck)	2.8	2.6	1.9	2.1	1.5	1.3	6.3	6.0	5.5	4.8	3.1	2.3	14.9	13.1
Vernal (ck)	2.8	2.8	1.7	1.9	1.2	1.1	5.7	5.8	5.2	4.1	3.0	2.0	13.9	11.9
mean	2.7	2.7	1.9	1.9	1.4	1.2	6.0	5.8	5.5	4.7	3.1	2.3	14.6	12.9
range	0.2	0.2	0.3	0.2	0.4	0.3	0.7	0.5	0.6	1.1	0.2	0.9	1.3	1.9
LSD: entry²	ns	ns	0.1	ns	0.1	ns	0.4	ns	0.3	0.5	ns	0.6	0.8	1.0
mean	2.7		1.9		1.3		5.9		5.1		2.7		13.7	
range	0.2		0.3		0.5		0.8		1.7		1.3		3.4	
LSD: treatment³	ns		ns		0.1		ns		0.5		0.5		0.5	
LSD: all entries⁴	ns		ns		ns		ns		1.3		0.4		0.4	
CV%	5.1		7.4		10.5		4.9		5.9		12.6		4.4	
MCV (LSD/mean)	ns		ns		ns		ns		25		15		3	
LSR (LSD/range)	ns		ns		ns		ns		76		31		12	

¹ Low PLH numbers were present during all regrowth periods in 2003; insecticide was not used. Weekly PLH numbers, alfalfa canopy height and injury scores are summarized for 2004 in Table 2.

² LSD(.05) for comparison of 2 entry means within an insecticide treatment.

³ LSD(.05) for comparing the 2 insecticide treatment means.

⁴ LSD(.05) for comparing any 2 entry means across insecticide treatments.